

ABSTRACT OF THE DISCLOSURE

A light receiving or light emitting modular sheet having a plurality of spherical elements arranged in matrix. It is constituted only of acceptable
5 spherical elements and photoelectric conversion efficiency thereof is enhanced.

The light receiving modular sheet (1) comprises a plurality of spherical solar cell elements (2) arranged in matrix, a meshed member (3), and a sheet member (4). Each solar cell element (2) comprises a spherical pn junction (13), and positive and negative electrodes (14, 15) formed oppositely while sandwiching the
10 center of the solar cell element (2) and being connected with respective electrodes of the pn junction (13). The meshed member (3) has a plurality of conductive wires (20, 21) arranged in parallel in order to connect the plurality of spherical solar cell elements (2) in each column electrically in parallel, and insulating tensile wires (22) arranged between the rows of solar cell elements (2) to cross the
15 conductive wires (20, 21) perpendicularly while being woven in a meshed form to secure the plurality of conductive wires (20, 21).